CONSTRUCTION AND DEVELOPMENT OF SHALLOW SALINE HABITAT AT THE SALTON SEA

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OBJECTIVES

- CONSTRUCT A 4-CELLED WETLAND USING BLENDED WATER FROM THE SALTON SEA AND ALAMO RIVER
- EVALUATE CONSTRUCTION TECHNIQUES FOR LEVEE AND ISLAND BUILDING
- EVALUATE DURABILITY OF LEVEES AND ISLANDS CONSTRUCTED WITH LOCAL SEDIMENT/SOILS
- EVALUATE WATER, SEDIMENTS, AND AQUATIC INVERTEBRATE RESPONSE TO BLENDED WATER IN SHALLOW HABITAT
- EVALUATE BIRD USE, INCLUDING NUMERICAL ABUNDANCE, SPECIES DIVERSITY, NESTING AND RECRUITMENT



EVALUATE WATER, SEDIMENTS, AND AQUATIC INVERTEBRATE RESPONSE TO BLENDED WATER IN SHALLOW HABITAT

- NUTRIENTS
- CONTAMINANTS
- PESTICIDES
- SALINITY



EVALUATE BIRD USE, INCLUDING NUMERICAL ABUNDANCE, SPECIES DIVERSITY, NESTING AND RECRUITMENT

- COMPARE TO SAN DIEGO SALT PONDS
- COMPARE TO FRESHWATER SITES NEARBY
- EVALUATE SPECIES COLONIZATION OF SITE
- EVALUATE NEST FATE
- EVALUATE POST-HATCH SURVIVAL
- EGG ANALYSIS FOR CONTAMINANTS AND PESTICIDES



















































